ⓘ Preview-editing room that handles 2K/4K/8K signal \ switching and matrix
operations for multiple sources \ SKAARHOJ Rack Fly Duo

Mitomo is one of AJA official resellers in Japan, leading their business to markets in these fields: television broadcasting, news coverage, and photography, and provides broadcasting equipment and materials.
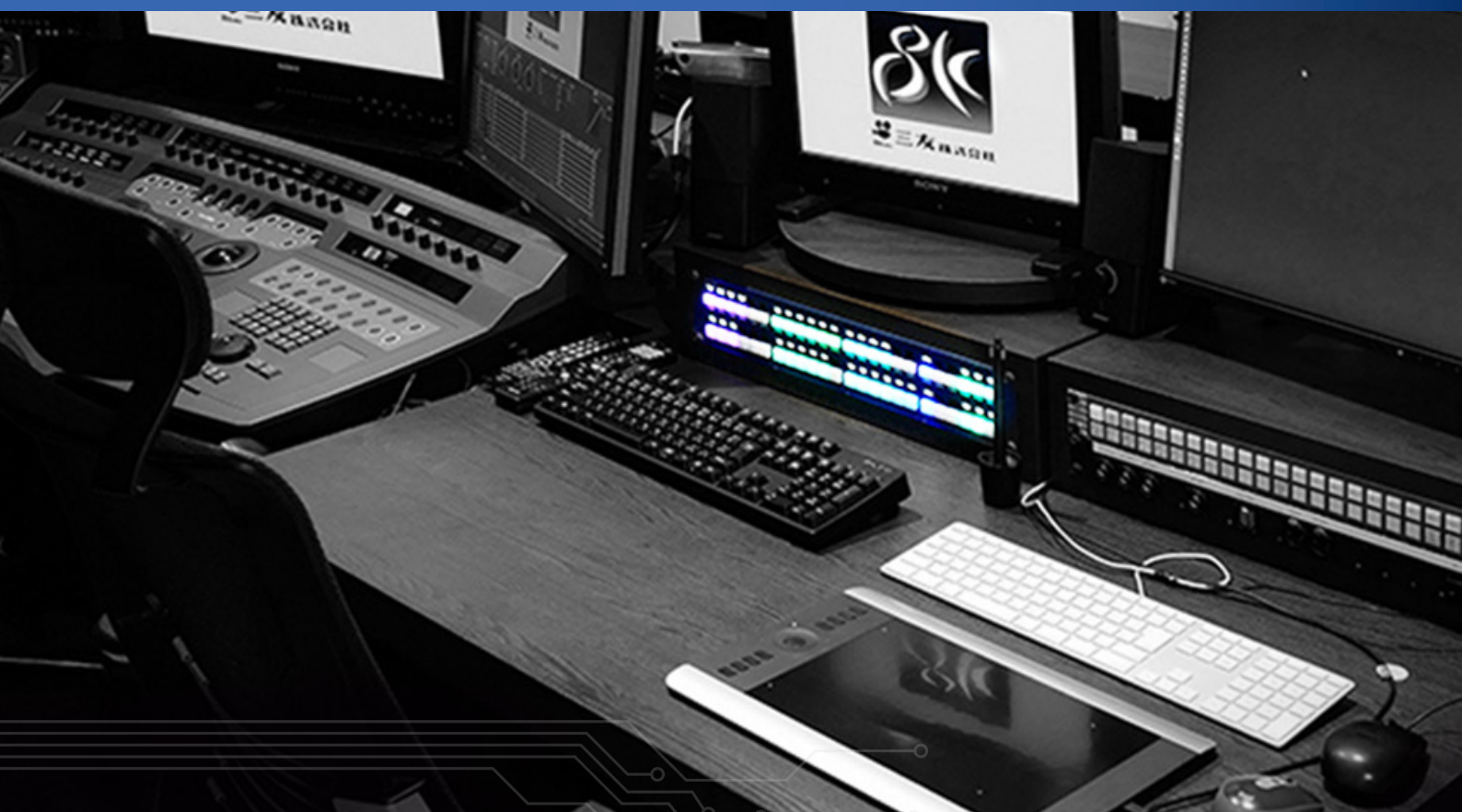
There are 6 editing rooms, supporting 4K/8K HDR, and 2 MA rooms in MITOMO STUDIO SHIBUYA.
The 8K editing room was just established. In the whole studio, they're working on video productions from planning to creating, for corporate promotions, live records/events, documentary/news TV programs, and films.

Getting more requests for 8K contents, Mitomo needed to build an editing environment where they can handle 2K/4K/8K signal formats simultaneously and seamlessly. Mitomo examined flexible solutions for their 8K preview-editing room that could manage 2K/4K/8K signals seamlessly with simply switching and matrix operations for multiple sources.

SKAARHOJ Rack Fly Duo enables the colorists and editors to control the signals of 12G-SDI routers I/O simply and remotely with using its handy buttons.

Products 📷

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Rack Fly Duo is used for the bundle operation of 2x KUMO 3232-12Gs as like a single router.
The LED buttons are divided into four sections, 6×6 top and bottom, with programing different LED color and control setting.
The control settings for each are as follows:
- Displaying 8K contents from their editing system to preview monitors.
- Matrix operation for 4K/8K source and signal transmission.
- Routing new input source, added to KUMO, to the destinations.
Rack Fly Duo features were decisive factors to introduce the product into their 8K system, including four-way buttons, OLED displays, programmable LED bars, and PoE

(Power over Ethernet) support allowing power-supply and signal control with a single Ethernet cable.
OLED clearly indicates the source and destinations and provides instant switching to preview contents or compare HDR with SDR.
The programmability, a major feature of SKAARHOJ products, enabled to introduce new equipment and update their environment.

"We can change the setting of hardware, it's very useful and meets the demands of our editors. We still use the combination of Rack Fly Duo and KUMO with customizing the control setting flexibly," said Susumu Yamazaki, Online Editor, MITOMO.

Work Flow

Legend:
- SDI12GX4 8K
- SDI 3Gx4 4K
- HDMI 2.0
- SDI 3GX 16 8K
- SDI 3G or 1.5G2K
- HDMI 2.1

ASTRO SC-8219
Cross Converter 12G to 3G

Grass Valley Rio8K

ASTRO SC-8229
Cross Converter 12G to 3G
HDR to SDR

Apple MacPro2019

HP Z8G4

Panasonic AJ-ZS0580

AJA KUMO 3232-12
Routing SW1

ASTRO SC-8219
Cross Converter 22,2ch to 5,1ch

32ch Audio Level MONI

AJA KUMO 3232-12G
Routing SW2
SKAARHOJ RACK FLY DUO
Control for Routing SW

HDR to SDR

Blackmagic
Teranex Mini
SDI to HDMI 8K HDR

ASTRO SD-7075
HDMI 2.0 to HDMI 2.1

AJA
HiS-4K-Plus
SDI to HDMI

AJA
4K2HD
SDI to HDMI

Sony BVM-X300
4K 59,94P

ASTRO WH-3206
HDR

HORITA TCD-100

Sony BRAVIA KJ-85Z9H
Client MONI
8K 59,94p

TOSHIBA REGZA
Client Moni
2k 29,97I

Sony PVM-A170
2K 59,94p

AJA
3G-AM
SDI to AES/EBU

Volume Mixer

Blackmagic
3G-AM
SDI to Analog 12G

Genelec 5,1ch